

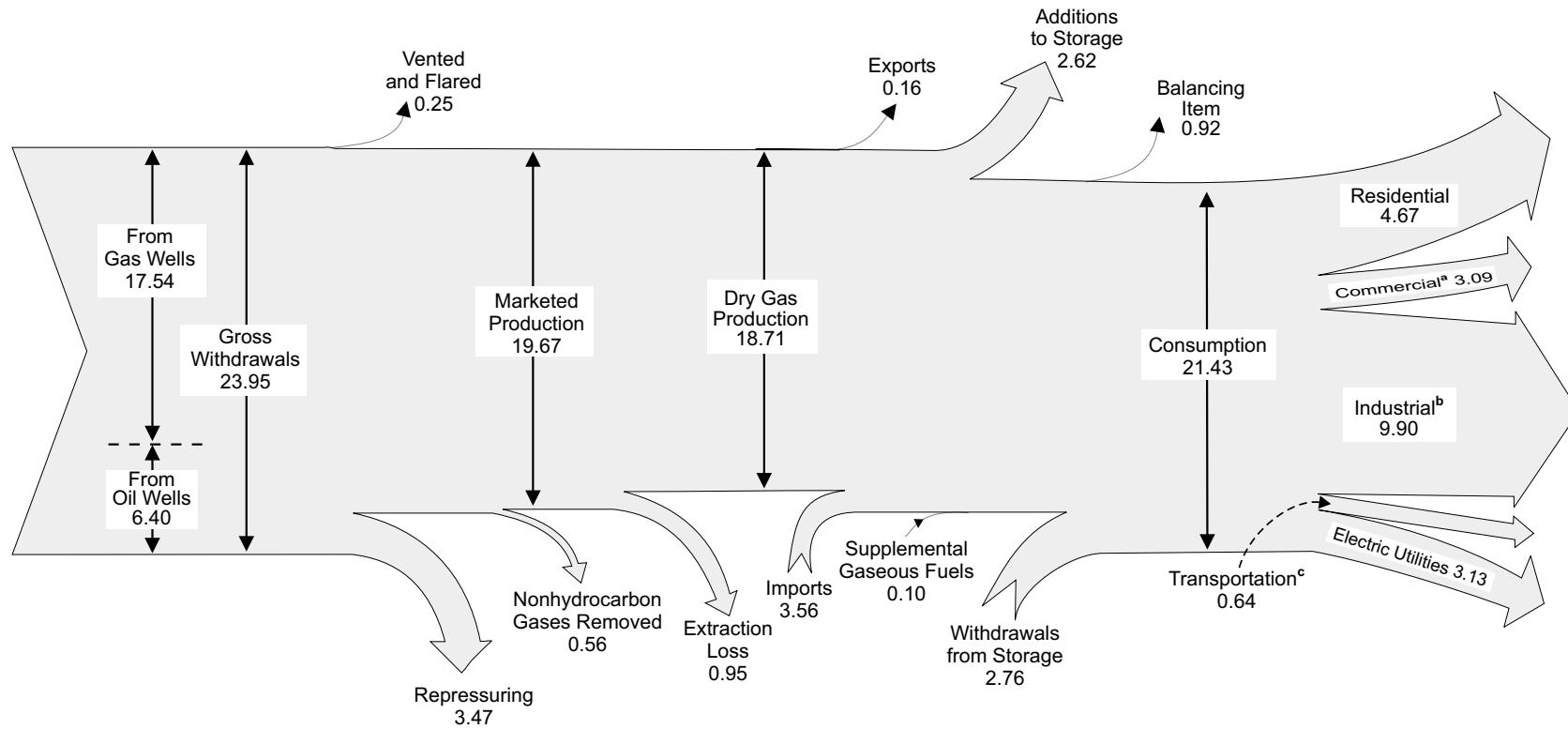
6

Natural Gas



Natural gas pipeline, El Paso County, Texas. Source: U.S. Department of Energy.

Diagram 3. Natural Gas Flow, 1999
 (Trillion Cubic Feet)



^a Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

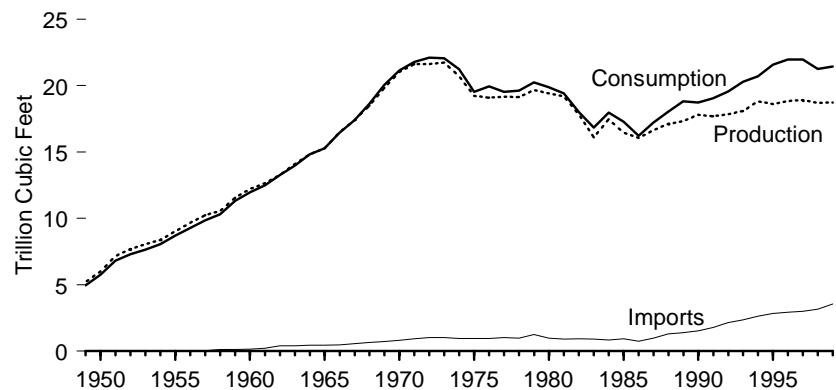
^b Includes lease and plant fuel. Most deliveries to nonutility power producers are included in the industrial sectors. In instances where the nonutility is primarily a commercial establishment, deliveries are included in the commercial sector.

^c Natural gas consumed in the operation of pipelines, primarily in compressors, and a small quantity used as vehicle fuel.

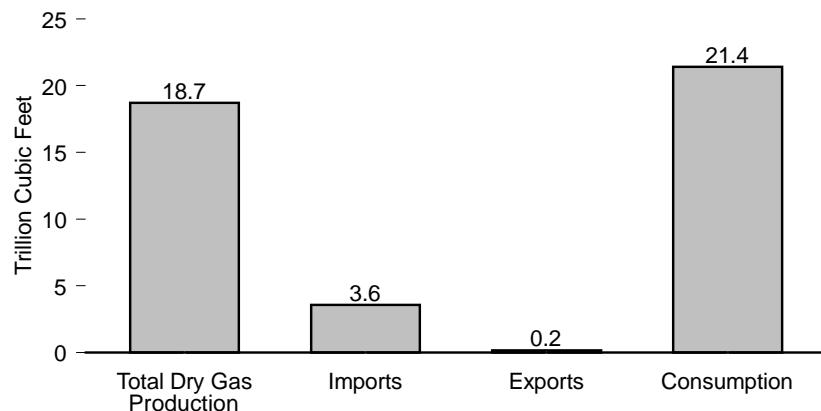
Notes: • Data are preliminary. • Totals may not equal sum of components due to independent rounding.
 Sources: Tables 6.1, 6.2, and 6.5.

Figure 6.1 Natural Gas Overview

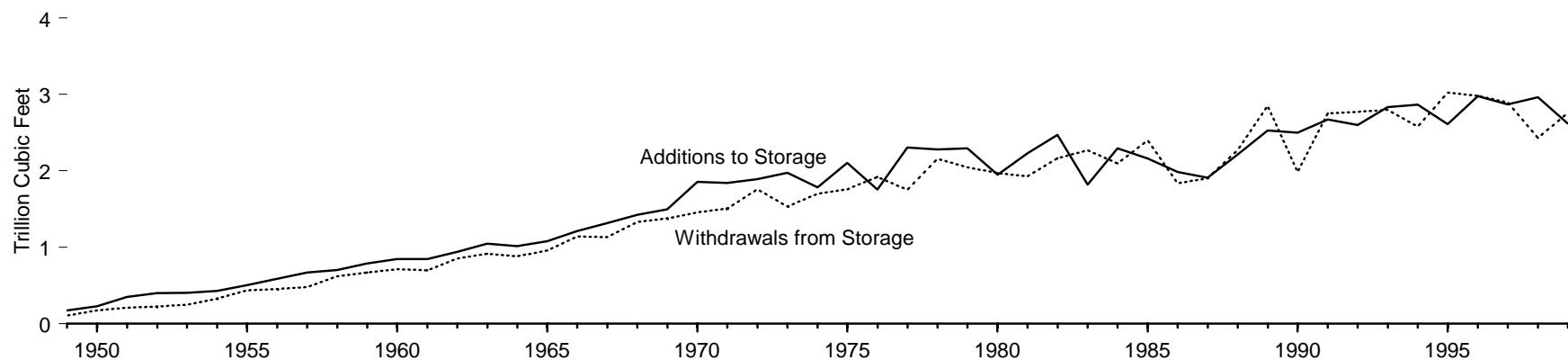
Overview, 1949-1999



Overview, 1999



Storage Additions and Withdrawals,¹ 1949-1999



¹ Beginning with 1980, includes liquefied natural gas stored in above-ground tanks.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 6.1.

Table 6.1 Natural Gas Overview, 1949-1999

(Trillion Cubic Feet)

Year	Total Dry Gas Production	Supplemental Gaseous Fuels	Imports	Exports	Withdrawals from Storage ¹	Additions to Storage ¹	Balancing Item ²	Consumption
1949	5.20	NA	0.00	0.02	0.11	0.17	-0.14	4.97
1950	6.02	NA	0.00	0.03	0.18	0.23	-0.18	5.77
1951	7.16	NA	0.00	0.02	0.21	0.35	-0.19	6.81
1952	7.69	NA	0.01	0.03	0.22	0.40	-0.20	7.29
1953	8.06	NA	0.01	0.03	0.25	0.40	-0.24	7.64
1954	8.39	NA	0.01	0.03	0.33	0.43	-0.22	8.05
1955	9.03	NA	0.01	0.03	0.44	0.51	-0.25	8.69
1956	9.66	NA	0.01	0.04	0.45	0.59	-0.21	9.29
1957	10.25	NA	0.04	0.04	0.48	0.67	-0.21	9.85
1958	10.57	NA	0.14	0.04	0.62	0.70	-0.28	10.30
1959	11.55	NA	0.13	0.02	0.67	0.79	-0.22	11.32
1960	12.23	NA	0.16	0.01	0.71	0.84	-0.27	11.97
1961	12.66	NA	0.22	0.01	0.70	0.84	-0.23	12.49
1962	13.25	NA	0.40	0.02	0.85	0.94	-0.29	13.27
1963	14.08	NA	0.41	0.02	0.92	1.05	-0.36	13.97
1964	14.82	NA	0.44	0.02	0.89	1.01	-0.30	14.81
1965	15.29	NA	0.46	0.03	0.96	1.08	-0.32	15.28
1966	16.47	NA	0.48	0.02	1.14	1.21	-0.40	16.45
1967	17.39	NA	0.56	0.08	1.13	1.32	-0.30	17.39
1968	18.49	NA	0.65	0.09	1.33	1.43	-0.33	18.63
1969	19.83	NA	0.73	0.05	1.38	1.50	-0.33	20.06
1970	21.01	NA	0.82	0.07	1.46	1.86	-0.23	21.14
1971	21.61	NA	0.93	0.08	1.51	1.84	-0.34	21.79
1972	21.62	NA	1.02	0.08	1.76	1.89	-0.33	22.10
1973	21.73	NA	1.03	0.08	1.53	1.97	-0.20	22.05
1974	20.71	NA	0.96	0.08	1.70	1.78	-0.29	21.22
1975	19.24	NA	0.95	0.07	1.76	2.10	-0.24	19.54
1976	19.10	NA	0.96	0.06	1.92	1.76	-0.22	19.95
1977	19.16	NA	1.01	0.06	1.75	2.31	-0.04	19.52
1978	19.12	NA	0.97	0.05	2.16	2.28	-0.29	19.63
1979	19.66	NA	1.25	0.06	2.05	2.30	-0.37	20.24
1980	19.40	0.15	0.98	0.05	1.97	1.95	-0.64	19.88
1981	19.18	0.18	0.90	0.06	1.93	2.23	-0.50	19.40
1982	17.82	0.14	0.93	0.05	2.16	2.47	-0.54	18.00
1983	16.09	0.13	0.92	0.05	2.27	1.82	-0.70	16.83
1984	17.47	0.11	0.84	0.05	2.10	2.30	-0.22	17.95
1985	16.45	0.13	0.95	0.06	2.40	2.16	R-0.43	17.28
1986	16.06	0.11	0.75	0.06	1.84	1.98	-0.49	16.22
1987	16.62	0.10	0.99	0.05	1.91	1.91	-0.44	17.21
1988	17.10	0.10	1.29	0.07	2.27	2.21	-0.45	18.03
1989	17.31	0.11	1.38	0.11	2.85	2.53	-0.22	18.80
1990	17.81	0.12	1.53	0.09	1.99	2.50	-0.15	18.72
1991	17.70	0.11	1.77	0.13	2.75	2.67	-0.50	19.04
1992	17.84	0.12	2.14	0.22	2.77	2.60	-0.51	19.54
1993	18.10	0.12	2.35	0.14	2.80	2.83	-0.11	20.28
1994	18.82	0.11	2.62	0.16	2.58	2.86	-0.40	20.71
1995	18.60	0.11	2.84	0.15	3.02	2.61	-0.23	21.58
1996	R18.85	0.11	2.94	0.15	2.98	2.98	R0.22	21.97
1997	18.90	0.10	2.99	0.16	2.89	2.87	R0.09	R21.96
1998	R18.71	R0.10	R3.15	0.16	R2.43	R2.96	R-0.01	R21.26
1999 ^P	18.71	0.10	3.56	0.16	2.76	2.62	-0.92	21.43

¹ Beginning with 1980, includes liquefied natural gas stored in above-ground tanks.

² Quantities lost and imbalances in data due to differences among data sources. Since 1980, excludes intratranit shipments that cross the U.S.-Canada border (i.e., natural gas delivered to its destination via the other country).

R=Revised. P=Preliminary. NA=Not available.

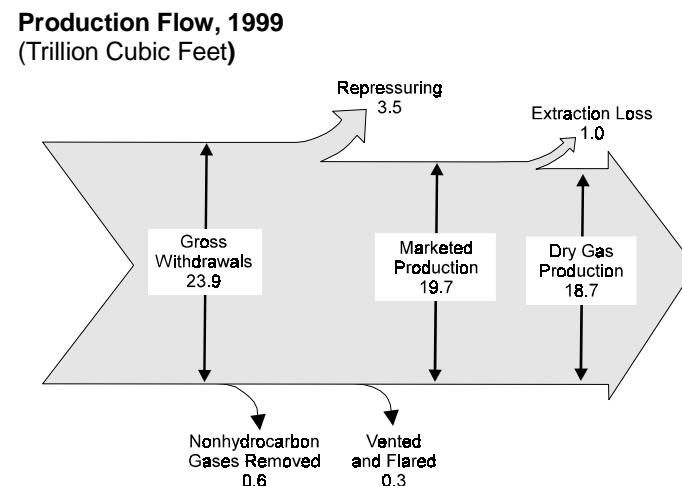
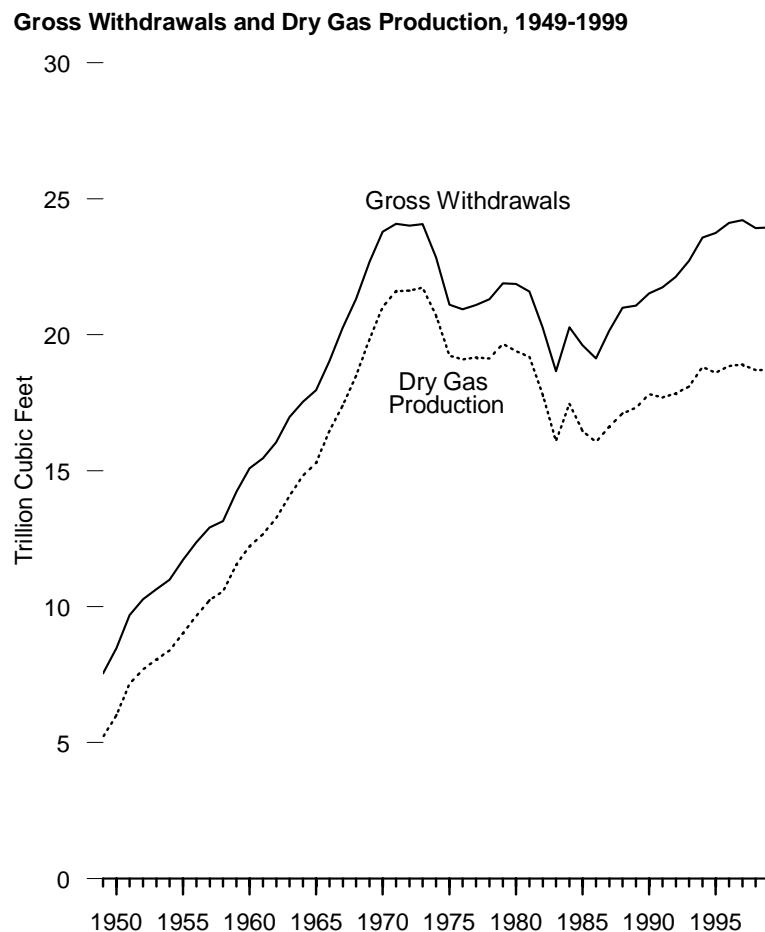
Notes: • Beginning with 1965, all volumes are shown on a pressure base of 14.73 p.s.i.a. at 60° F. For prior years, the pressure base was 14.65 p.s.i.a. at 60° F. • Totals may not equal sum of components due

to independent rounding.

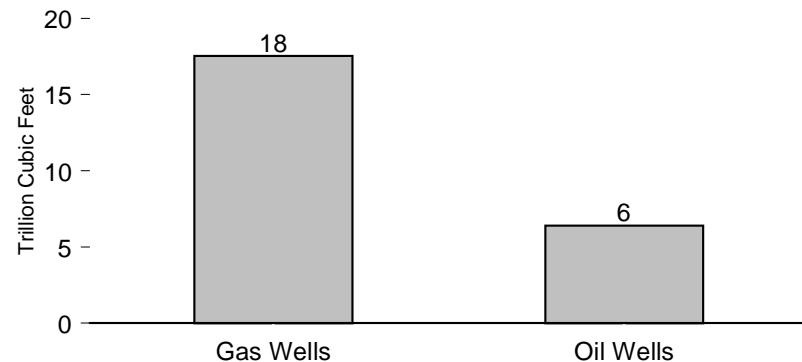
Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

Sources: **Supplemental Gaseous Fuels:** • 1980-1993—EIA, *Natural Gas Annual*, annual reports. • 1994 forward—EIA, *Natural Gas Monthly* (February 2000), Table 2. **All Other Data:** • 1949-1993—EIA, *Natural Gas Annual 1998* (October 1999), Table 99. • 1994 forward—EIA, *Natural Gas Monthly* (February 2000), Table 2.

Figure 6.2 Natural Gas Production



Gross Withdrawals by Well Type, 1999



Note: Because vertical scales differ, graphs should not be compared.

Source: Table 6.2.

Table 6.2 Natural Gas Production, 1949-1999

(Trillion Cubic Feet)

Year	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed	Vented and Flared	Marketed Production	Extraction Loss ¹	Total Dry Gas Production
	From Gas Wells	From Oil Wells	Total						
1949	4.99	2.56	7.55	1.27	NA	0.85	5.42	0.22	5.20
1950	5.60	2.88	8.48	1.40	NA	0.80	6.28	0.26	6.02
1951	6.48	3.21	9.69	1.44	NA	0.79	7.46	0.29	7.16
1952	6.84	3.43	10.27	1.41	NA	0.85	8.01	0.32	7.69
1953	7.10	3.55	10.65	1.44	NA	0.81	8.40	0.34	8.06
1954	7.47	3.52	10.98	1.52	NA	0.72	8.74	0.35	8.39
1955	7.84	3.88	11.72	1.54	NA	0.77	9.41	0.38	9.03
1956	8.31	4.07	12.37	1.43	NA	0.86	10.08	0.42	9.66
1957	8.72	4.19	12.91	1.42	NA	0.81	10.68	0.43	10.25
1958	9.15	3.99	13.15	1.48	NA	0.63	11.03	0.46	10.57
1959	10.10	4.13	14.23	1.61	NA	0.57	12.05	0.50	11.55
1960	10.85	4.23	15.09	1.75	NA	0.56	12.77	0.54	12.23
1961	11.20	4.27	15.46	1.68	NA	0.52	13.25	0.59	12.66
1962	11.70	4.34	16.04	1.74	NA	0.43	13.88	0.62	13.25
1963	12.61	4.37	16.97	1.84	NA	0.38	14.75	0.67	14.08
1964	13.11	4.43	17.54	1.65	NA	0.34	15.55	0.72	14.82
1965	13.52	4.44	17.96	1.60	NA	0.32	16.04	0.75	15.29
1966	13.89	5.14	19.03	1.45	NA	0.38	17.21	0.74	16.47
1967	15.35	4.91	20.25	1.59	NA	0.49	18.17	0.78	17.39
1968	16.54	4.79	21.33	1.49	NA	0.52	19.32	0.83	18.49
1969	17.49	5.19	22.68	1.46	NA	0.53	20.70	0.87	19.83
1970	18.59	5.19	23.79	1.38	NA	0.49	21.92	0.91	21.01
1971	18.93	5.16	24.09	1.31	NA	0.28	22.49	0.88	21.61
1972	19.04	4.97	24.02	1.24	NA	0.25	22.53	0.91	21.62
1973	19.37	4.70	24.07	1.17	NA	0.25	22.65	0.92	21.73
1974	18.67	4.18	22.85	1.08	NA	0.17	21.60	0.89	20.71
1975	17.38	3.72	21.10	0.86	NA	0.13	20.11	0.87	19.24
1976	17.19	3.75	20.94	0.86	NA	0.13	19.95	0.85	19.10
1977	17.42	3.68	21.10	0.93	NA	0.14	20.03	0.86	19.16
1978	17.39	3.91	21.31	1.18	NA	0.15	19.97	0.85	19.12
1979	18.03	3.85	21.88	1.25	NA	0.17	20.47	0.81	19.66
1980	17.57	4.30	21.87	1.37	0.20	0.13	20.18	0.78	19.40
1981	17.34	4.25	21.59	1.31	0.22	0.10	19.96	0.77	19.18
1982	15.81	4.46	20.27	1.39	0.21	0.09	18.58	0.76	17.82
1983	14.15	4.51	18.66	1.46	0.22	0.09	16.88	0.79	16.09
1984	15.51	4.75	20.27	1.63	0.22	0.11	18.30	0.84	17.47
1985	14.54	5.07	19.61	1.92	0.33	0.09	17.27	0.82	16.45
1986	14.15	4.98	19.13	1.84	0.34	0.10	16.86	0.80	16.06
1987	14.81	5.33	20.14	2.21	0.38	0.12	17.43	0.81	16.62
1988	15.47	5.53	21.00	2.48	0.46	0.14	17.92	0.82	17.10
1989	15.71	5.37	21.07	2.48	0.36	0.14	18.10	0.78	17.31
1990	16.05	5.47	21.52	2.49	0.29	0.15	18.59	0.78	17.81
1991	16.02	5.73	21.75	2.77	0.28	0.17	18.53	0.83	17.70
1992	16.16	5.97	22.13	2.97	0.28	0.17	18.71	0.87	17.84
1993	16.69	6.03	22.73	3.10	0.41	0.23	18.98	0.89	18.10
1994	17.35	6.23	23.58	3.23	0.41	0.23	19.71	0.89	18.82
1995	17.28	6.46	23.74	3.57	0.39	0.28	19.51	0.91	18.60
1996	R17.74	R6.38	R24.11	3.51	0.52	0.27	R19.81	0.96	R18.85
1997	17.84	6.37	24.21	3.49	0.60	0.26	19.87	0.96	18.90
1998	R17.56	R6.37	R23.92	R3.43	R0.61	R0.23	R19.65	R0.94	R18.71
1999	E17.54	E6.40	P23.95	P3.47	P0.56	P0.25	P19.67	P0.95	P18.71

¹ Volume reduction resulting from the removal of natural gas plant liquids. Natural gas plant liquids are transferred to petroleum supply.

R=Revised. P=Preliminary. E=Estimate. NA=Not available.

Notes: • Beginning with 1965 data, all volumes are shown on a pressure base of 14.73 p.s.i.a. at 60° F. For prior years, the pressure base was 14.65 p.s.i.a. at 60° F. • Totals may not equal sum of components due to independent rounding.

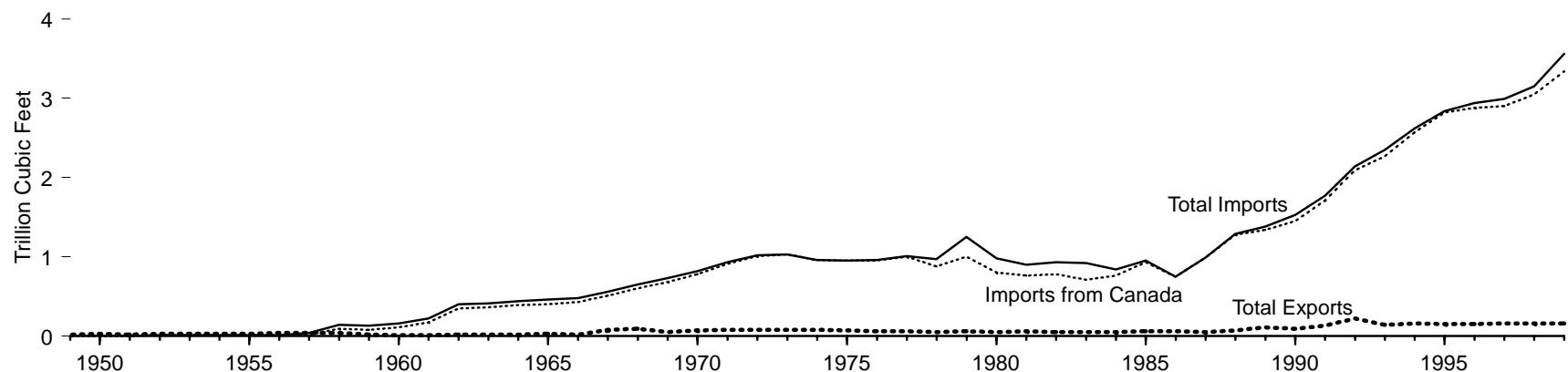
Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

Sources: **From Gas Wells and From Oil Wells:** • 1949-1966—Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. • 1967-1993—Energy Information Administration (EIA), *Natural Gas Annual*, annual reports. • 1994-1998—EIA, *Natural Gas Annual 1998* (October 1999), Table 3. • 1999—EIA estimates. **All Other Data:** • 1949-1993—EIA, *Natural Gas Annual 1998* (October 1999), Table 99.

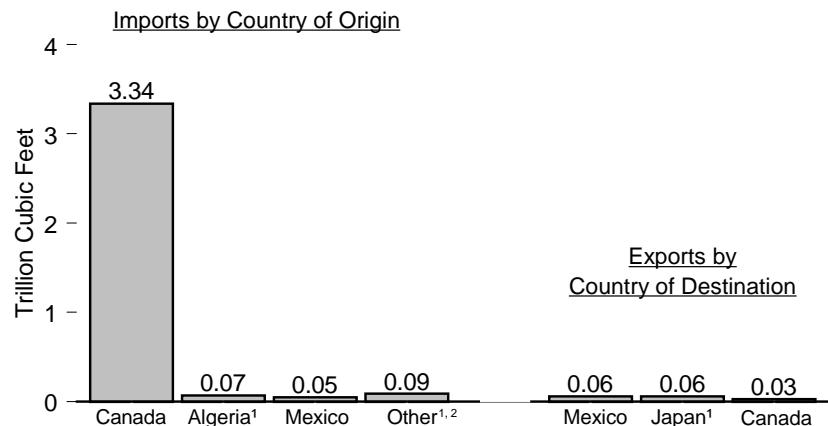
• 1994 forward—EIA, *Natural Gas Monthly* (February 2000), Table 1.

Figure 6.3 Natural Gas Imports, Exports, and Net Imports

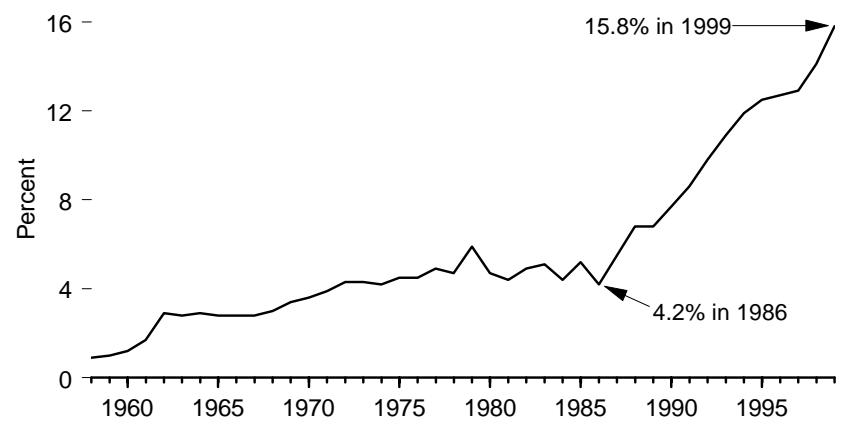
Trade Overview, 1949-1999



Trade, 1999



Net Imports as Share of Consumption, 1958-1999



¹ Liquefied natural gases.

² Australia, Malaysia, Qatar, Trinidad and Tobago, and United Arab Emirates.

Source: Table 6.3.

Table 6.3 Natural Gas Imports, Exports, and Net Imports, 1949-1999
 (Billion Cubic Feet, Except as Noted)

Year	Imports by Country of Origin							Exports by Country of Destination				Net Imports ¹	
	Algeria ²	Australia ²	Canada	Indonesia ²	Mexico	United Arab Emirates ²	Total ³	Canada	Japan ²	Mexico	Total	Total	Percent of U.S. Consumption
1949	0	0	0	0	0	0	0	(s)	0	20	20	-20	(4)
1950	0	0	0	0	0	0	0	3	0	23	26	-26	(4)
1951	0	0	8	0	(s)	0	8	4	0	21	24	-24	(4)
1952	0	0	9	0	0	0	9	6	0	22	27	-20	(4)
1953	0	0	7	0	0	0	7	6	0	22	28	-19	(4)
1954	0	0	11	0	(s)	0	11	11	0	20	31	-20	(4)
1955	0	0	10	0	(s)	0	10	17	0	19	36	-26	(4)
1956	0	0	21	0	17	0	38	31	0	11	42	-4	(4)
1957	0	0	90	0	46	0	136	32	0	7	39	97	0.9
1959	0	0	83	0	51	0	134	12	0	7	18	116	1.0
1960	0	0	109	0	47	0	156	6	0	6	11	144	1.2
1961	0	0	167	0	52	0	219	6	0	5	11	208	1.7
1962	0	0	350	0	51	0	402	6	0	10	16	386	2.9
1963	0	0	356	0	50	0	406	7	0	10	17	389	2.8
1964	0	0	391	0	53	0	443	10	0	10	20	424	2.9
1965	0	0	405	0	52	0	456	18	0	8	26	430	2.8
1966	0	0	430	0	50	0	480	20	0	4	25	455	2.8
1967	0	0	513	0	51	0	564	70	0	11	82	483	2.8
1968	0	0	604	0	47	0	652	82	0	12	94	558	3.0
1969	0	0	680	0	47	0	727	35	3	13	51	676	3.4
1970	1	0	779	0	41	0	821	11	44	15	70	751	3.6
1971	1	0	912	0	21	0	935	14	50	16	80	854	3.9
1972	2	0	1,009	0	8	0	1,019	16	48	15	78	941	4.3
1973	3	0	1,028	0	2	0	1,033	15	48	14	77	956	4.3
1974	0	0	959	0	(s)	0	959	13	50	13	77	882	4.2
1975	5	0	948	0	0	0	953	10	53	9	73	880	4.5
1976	10	0	954	0	0	0	964	8	50	7	65	899	4.5
1977	11	0	997	0	2	0	1,011	(s)	52	4	56	955	4.9
1978	84	0	881	0	0	0	966	(s)	48	4	53	913	4.7
1979	253	0	1,001	0	0	0	1,253	(s)	51	4	56	1,198	5.9
1980	86	0	797	0	102	0	985	(s)	45	4	49	936	4.7
1981	37	0	762	0	105	0	904	(s)	56	3	59	845	4.4
1982	55	0	783	0	95	0	933	(s)	50	2	52	882	4.9
1983	131	0	712	0	75	0	918	(s)	53	2	55	864	5.1
1984	36	0	755	0	52	0	843	(s)	53	2	55	788	4.4
1985	24	0	926	0	0	0	950	(s)	53	2	55	894	5.2
1986	0	0	749	2	0	0	750	9	50	2	61	689	4.2
1987	0	0	993	0	0	0	993	3	49	2	54	939	5.5
1988	17	0	1,276	0	0	0	1,294	20	52	2	74	1,220	6.8
1989	42	0	1,339	0	0	0	1,382	38	51	17	107	1,275	6.8
1990	84	0	1,448	0	0	0	1,532	17	53	16	86	1,447	7.7
1991	64	0	1,710	0	0	0	1,773	15	54	60	129	1,644	8.6
1992	43	0	2,094	0	0	0	2,138	68	53	96	216	1,921	9.8
1993	82	0	2,267	0	2	0	2,350	45	56	40	140	2,210	10.9
1994	51	0	2,566	0	7	0	2,624	53	63	47	162	2,462	11.9
1995	18	0	2,816	0	7	0	2,841	28	65	61	154	2,687	12.5
1996	35	0	2,883	0	14	5	2,937	52	68	34	153	2,784	12.7
1997	66	10	2,899	0	17	2	2,994	56	62	38	157	2,837	12.9
1998	69	R12	R3,052	0	R15	R5	R3,152	R40	66	R53	R159	R2,993	R14.1
1999	75	12	E3,340	0	E55	E3	E3,556	E32	E64	E64	E159	E3,397	E15.8

¹ Net imports = imports minus exports.

² Imports from Algeria, Australia, Indonesia, and United Arab Emirates, and exports to Japan are liquefied natural gas. Imports from Mexico are pipeline and some exports are liquefied natural gas.

³ For 1999, total imports also include Malaysia (3 billion cubic feet); Qatar (20 billion cubic feet), and Trinidad and Tobago (49 billion cubic feet).

⁴ Not meaningful because there were net exports during this year.

R=Revised. E=Estimate. (s)=Less than 0.5 billion cubic feet.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

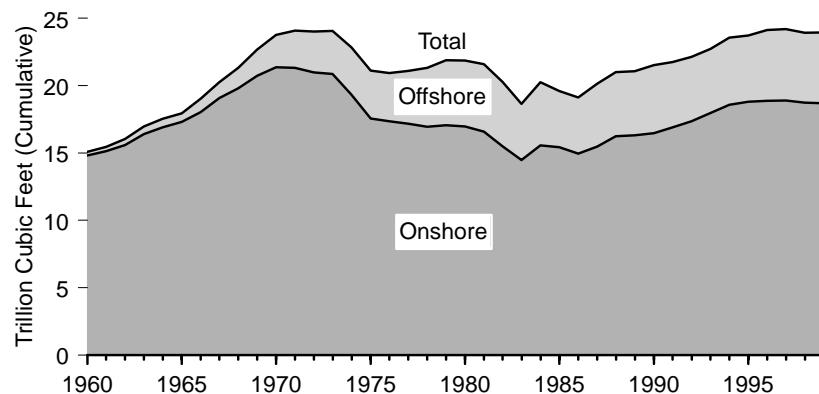
Sources: • 1949-1954—Energy Information Administration (EIA), Office of Oil and Gas, Reserves and Natural Gas Division, unpublished data. • 1955-1971—EIA, Federal Power Commission, by telephone.

• 1972-1987—EIA, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas."

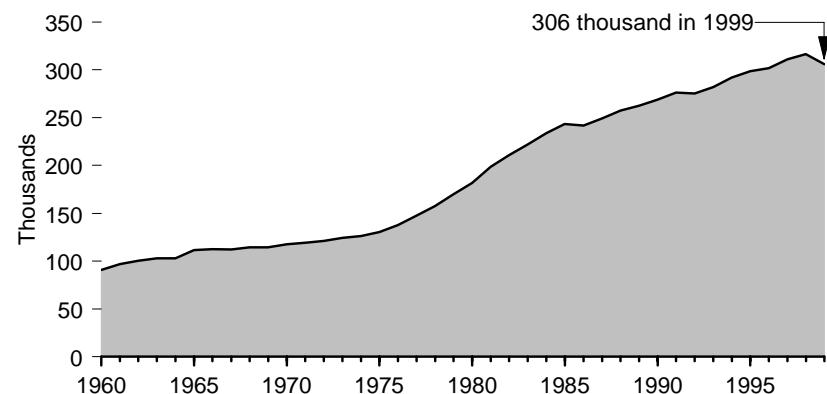
• 1988-1992—EIA, *Natural Gas Annual*, annual reports. • 1993 Forward—EIA, *Natural Gas Monthly* (February 2000), Tables 5 and 6.

Figure 6.4 Natural Gas Gross Withdrawals by State and Location and Gas Well Productivity, 1960-1999

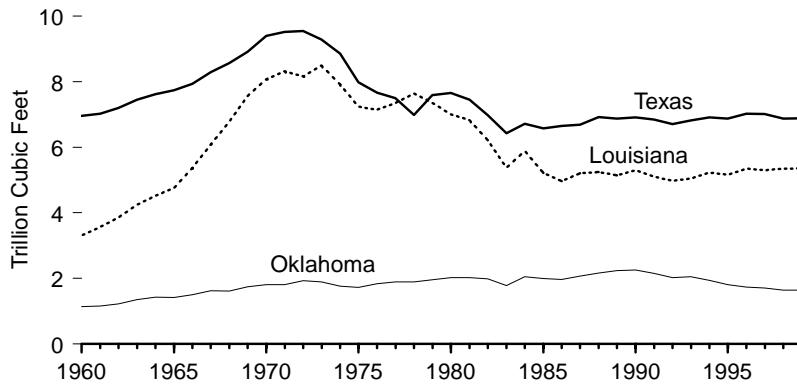
Gross Withdrawals by Location



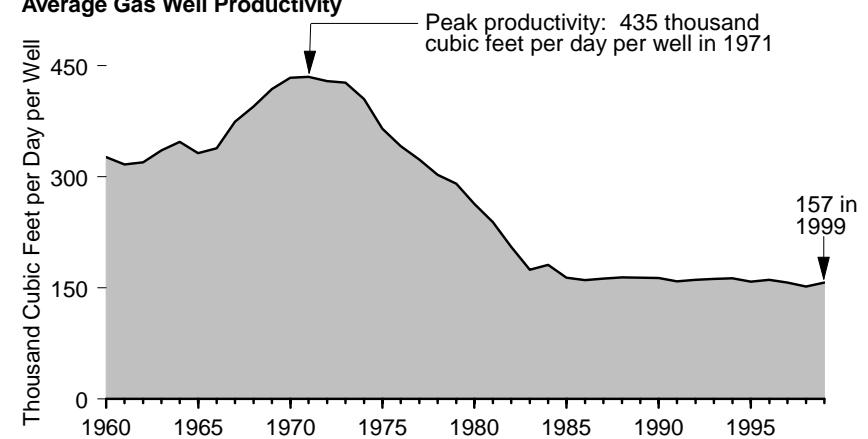
Number of Producing Wells



Gross Withdrawals in Top Producing States



Average Gas Well Productivity



Note: Because vertical scales differ, graphs should not be compared.

Source: Table 6.4.

Table 6.4 Natural Gas Gross Withdrawals by State and Location and Gas Well Productivity, 1960-1999
 (Trillion Cubic Feet, Except as Noted)

Year	State				Location		Gross Withdrawals from Oil and Gas Wells	Gas Well ¹ Productivity		
	Texas	Louisiana	Oklahoma	Other	Onshore ²	Offshore ³		Gross Withdrawals from Gas Wells	Producing Wells ⁴ (thousands)	Average Productivity (thousand cubic feet per day)
1960	6.96	3.31	1.13	3.68	14.81	0.27	15.09	10.85	91	326.7
1961	7.02	3.57	1.16	3.71	15.14	0.32	15.46	11.20	97	316.8
1962	7.20	3.85	1.22	3.76	15.59	0.45	16.04	11.70	100	319.8
1963	7.45	4.25	1.35	3.92	16.41	0.56	16.97	12.61	103	335.4
1964	7.62	4.52	1.42	3.98	16.91	0.62	17.54	13.11	103	347.4
1965	7.74	4.76	1.41	4.04	17.32	0.65	17.96	13.52	112	331.8
1966	7.93	5.37	1.50	4.23	18.03	1.01	19.03	13.89	112	338.4
1967	8.29	6.09	1.62	4.25	19.06	1.19	20.25	15.35	112	374.3
1968	8.57	6.78	1.61	4.37	19.80	1.52	21.33	16.54	114	395.1
1969	8.91	7.56	1.74	4.46	20.72	1.95	22.68	17.49	114	418.6
1970	9.40	8.08	1.81	4.50	21.37	2.42	23.79	18.59	117	433.6
1971	9.52	8.32	1.81	4.44	21.31	2.78	24.09	18.93	119	434.8
1972	9.55	8.16	1.93	4.38	20.98	3.04	24.02	19.04	121	429.4
1973	9.29	8.49	1.89	4.40	20.86	3.21	24.07	19.37	124	427.4
1974	8.86	7.92	1.76	4.31	19.34	3.51	22.85	18.67	126	404.9
1975	7.99	7.24	1.72	4.15	17.55	3.55	21.10	17.38	130	365.3
1976	7.67	7.14	1.84	4.29	17.35	3.60	20.94	17.19	138	341.5
1977	7.50	7.35	1.89	4.36	17.16	3.93	21.10	17.42	148	323.1
1978	6.99	7.64	1.89	4.79	16.95	4.36	21.31	17.39	157	302.7
1979	7.59	7.36	1.96	4.97	17.06	4.82	21.88	18.03	170	290.8
1980	7.66	7.01	2.02	5.19	16.97	4.90	21.87	17.57	182	263.8
1981	7.45	6.83	2.02	5.29	16.60	4.99	21.59	17.34	199	238.9
1982	6.98	6.22	1.99	5.09	15.50	4.77	20.27	15.81	211	205.5
1983	6.43	5.38	1.78	5.07	14.48	4.18	18.66	14.15	222	174.7
1984	6.71	5.89	2.05	5.62	15.56	4.71	20.27	15.51	234	181.2
1985	6.58	5.22	1.99	5.82	15.42	4.19	19.61	14.54	243	163.6
1986	6.66	4.96	1.97	5.54	14.95	4.19	19.13	14.15	242	160.6
1987	6.69	5.20	2.07	6.17	15.47	4.67	20.14	14.81	249	162.8
1988	6.92	5.25	2.17	6.67	16.25	4.75	21.00	15.47	257	164.3
1989	6.88	5.14	2.24	6.81	16.30	4.77	21.07	15.71	262	164.0
1990	6.91	5.30	2.26	7.05	16.48	5.05	21.52	16.05	269	163.4
1991	6.85	5.10	2.15	7.65	16.90	4.85	21.75	16.02	276	158.8
1992	6.71	4.98	2.02	8.43	17.36	4.77	22.13	16.16	275	160.8
1993	6.82	5.05	2.05	8.81	17.96	4.77	22.73	16.69	282	162.1
1994	6.91	5.23	1.93	9.51	18.58	5.00	23.58	17.35	292	162.9
1995	6.87	5.16	1.81	9.90	18.80	4.94	23.74	17.28	299	158.6
1996	R ^{7.03}	R ^{5.35}	1.73	R ^{10.00}	R ^{18.87}	R ^{5.25}	R ^{24.11}	R ^{17.74}	302	R ^{161.0}
1997	7.02	5.30	1.70	10.19	18.90	5.32	24.21	17.84	R ³¹¹	R ^{157.2}
1998	R ^{6.88}	R ^{5.35}	R ^{1.64}	R ^{10.05}	R ^{18.72}	R ^{5.20}	R ^{23.92}	R ^{17.56}	R ³¹⁶	R ^{152.1}
1999	E ^{6.88}	E ^{5.35}	E ^{1.65}	E ^{10.06}	E ^{18.69}	E ^{5.26}	E ^{23.95}	E ^{17.54}	P ³⁰⁶	E ^{157.1}

¹ See Glossary.

² Includes State offshore gross withdrawals.

³ Excludes State offshore gross withdrawals; includes Federal offshore (Outer Continental Shelf) gross withdrawals.

⁴ As of December 31 each year.

R=Revised. P=Preliminary. E=Estimate.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

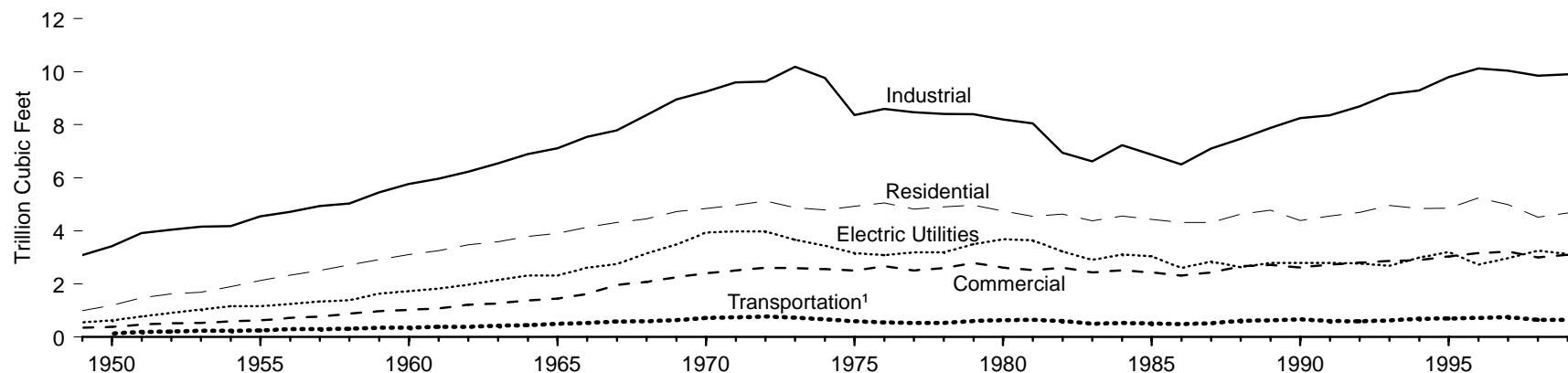
Sources: Offshore (Outer Continental Shelf): • 1960-1981—U.S. Geological Survey. • 1982-1985—The United States Minerals Management Service, *Mineral Revenues - The 1989 Report on Receipts from*

Federal and Indian Leases, and predecessor annual reports. • 1986-1993—EIA, *Natural Gas Annual*, annual reports. • 1994-1998—EIA, *Natural Gas Annual 1998* (October 1999), Table 4. • 1999—EIA estimates. **Gross Withdrawals from Oil and Gas Wells:** • 1960-1993—EIA, *Natural Gas Annual 1998* (October 1999), Table 99. • 1994 forward—EIA, *Natural Gas Monthly* (February 2000), Table 1.

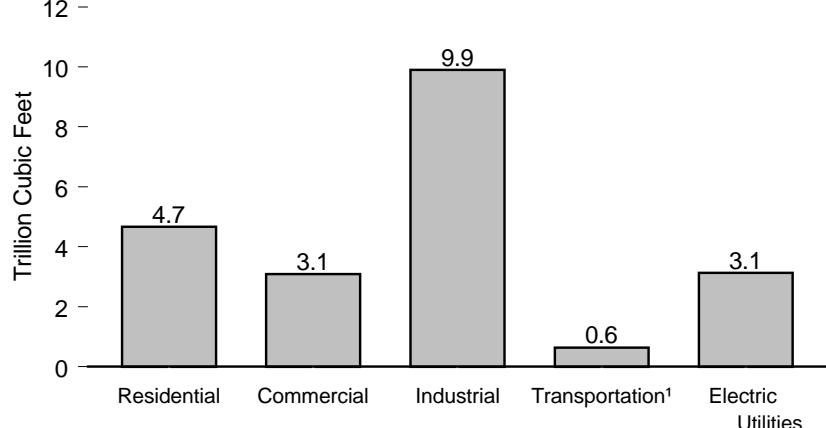
Producing Wells: • 1960-1966—Bureau of Mines, *Natural Gas Production and Consumption*. • 1967-1993—EIA, *Natural Gas Annual*, annual reports. • 1994-1998—EIA, *Natural Gas Annual 1998* (October 1999), Table 1. • 1999—Gulf Publishing Company, *World Oil* (February 2000). **All Other Data:** • 1960-1966—Bureau of Mines, *Natural Gas Production and Consumption*. • 1967-1998—EIA, *Natural Gas Annual*, annual reports. • 1999—EIA estimates.

Figure 6.5 Natural Gas Consumption by Sector

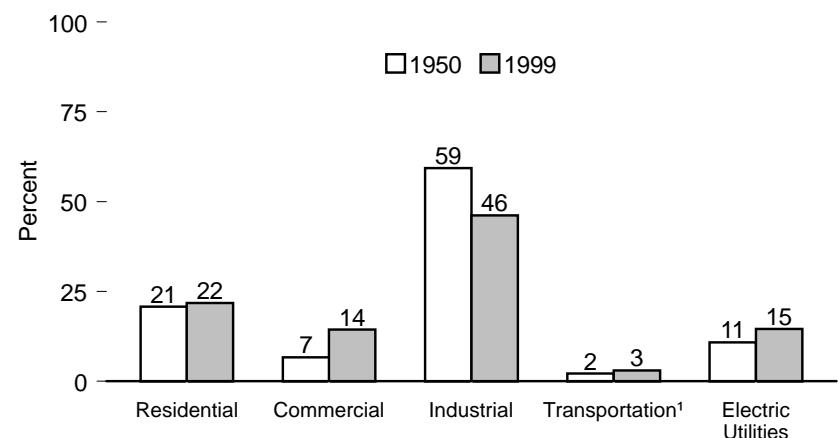
By Sector, 1949-1999



By Sector, 1999



Shares² by Sector, 1950 and 1999



¹ Pipeline fuel, and vehicle fuel for 1990-1998; for 1999, vehicle fuel data were not available.

Source: Table 6.5.

² Shares are based on data prior to rounding for publication and may not sum exactly to 100 percent.

Table 6.5 Natural Gas Consumption by Sector, 1949-1999
(Trillion Cubic Feet)

Year	Residential	Commercial	Industrial ¹			Transportation			Electric Utilities	Total
	Delivered to Residences	Delivered to Commercial Facilities ²	Delivered to Industrial Facilities	Lease and Plant Fuel	Total	Pipeline Fuel ³	Delivered For Vehicle Fuel Use	Total	Delivered to Electric Utilities	
1949	0.99	0.35	2.25	0.84	3.08	NA	NA	NA	0.55	4.97
1950	1.20	0.39	2.50	0.93	3.43	0.13	NA	0.13	0.63	5.77
1951	1.47	0.46	2.77	1.15	3.91	0.19	NA	0.19	0.76	6.81
1952	1.62	0.52	2.87	1.16	4.04	0.21	NA	0.21	0.91	7.29
1953	1.69	0.53	3.03	1.13	4.16	0.23	NA	0.23	1.03	7.64
1954	1.89	0.58	3.07	1.10	4.17	0.23	NA	0.23	1.17	8.05
1955	2.12	0.63	3.41	1.13	4.54	0.25	NA	0.25	1.15	8.69
1956	2.33	0.72	3.71	1.00	4.71	0.30	NA	0.30	1.24	9.29
1957	2.50	0.78	3.89	1.05	4.93	0.30	NA	0.30	1.34	9.85
1958	2.71	0.87	3.89	1.15	5.03	0.31	NA	0.31	1.37	10.30
1959	2.91	0.98	4.22	1.24	5.46	0.35	NA	0.35	1.63	11.32
1960	3.10	1.02	4.53	1.24	5.77	0.35	NA	0.35	1.72	11.97
1961	3.25	1.08	4.67	1.29	5.96	0.38	NA	0.38	1.83	12.49
1962	3.48	1.21	4.86	1.37	6.23	0.38	NA	0.38	1.97	13.27
1963	3.59	1.27	5.13	1.41	6.55	0.42	NA	0.42	2.14	13.97
1964	3.79	1.37	5.52	1.37	6.89	0.44	NA	0.44	2.32	14.81
1965	3.90	1.44	5.96	1.16	7.11	0.50	NA	0.50	2.32	15.28
1966	4.14	1.62	6.51	1.03	7.55	0.54	NA	0.54	2.61	16.45
1967	4.31	1.96	6.65	1.14	7.79	0.58	NA	0.58	2.75	17.39
1968	4.45	2.08	7.13	1.24	8.37	0.59	NA	0.59	3.15	18.63
1969	4.73	2.25	7.61	1.35	8.96	0.63	NA	0.63	3.49	20.06
1970	4.84	2.40	7.85	1.40	9.25	0.72	NA	0.72	3.93	21.14
1971	4.97	2.51	8.18	1.41	9.59	0.74	NA	0.74	3.98	21.79
1972	5.13	2.61	8.17	1.46	9.62	0.77	NA	0.77	3.98	22.10
1973	4.88	2.60	8.69	1.50	10.18	0.73	NA	0.73	3.66	22.05
1974	4.79	2.56	8.29	1.48	9.77	0.67	NA	0.67	3.44	21.22
1975	4.92	2.51	6.97	1.40	8.36	0.58	NA	0.58	3.16	19.54
1976	5.05	2.67	6.96	1.63	8.60	0.55	NA	0.55	3.08	19.95
1977	4.82	2.50	6.82	1.66	8.47	0.53	NA	0.53	3.19	19.52
1978	4.90	2.60	6.76	1.65	8.40	0.53	NA	0.53	3.19	19.63
1979	4.97	2.79	6.90	1.50	8.40	0.60	NA	0.60	3.49	20.24
1980	4.75	2.61	7.17	1.03	8.20	0.63	NA	0.63	3.68	19.88
1981	4.55	2.52	7.13	0.93	8.06	0.64	NA	0.64	3.64	19.40
1982	4.63	2.61	5.83	1.11	6.94	0.60	NA	0.60	3.23	18.00
1983	4.38	2.43	5.64	0.98	6.62	0.49	NA	0.49	2.91	16.83
1984	4.56	2.52	6.15	1.08	7.23	0.53	NA	0.53	3.11	17.95
1985	4.43	2.43	5.90	0.97	6.87	0.50	NA	0.50	3.04	17.28
1986	4.31	2.32	5.58	0.92	6.50	0.49	NA	0.49	2.60	16.22
1987	4.31	2.43	5.95	1.15	7.10	0.52	NA	0.52	2.84	17.21
1988	4.63	2.67	6.38	1.10	7.48	0.61	NA	0.61	2.64	18.03
1989	4.78	2.72	6.82	1.07	7.89	0.63	NA	0.63	2.79	18.80
1990	4.39	2.62	7.02	1.24	8.25	0.66	(s)	0.66	2.79	18.72
1991	4.56	2.73	7.23	1.13	8.36	0.60	(s)	0.60	2.79	19.04
1992	4.69	2.80	7.53	1.17	8.70	0.59	(s)	0.59	2.77	19.54
1993	4.96	2.86	7.98	1.17	9.15	0.62	(s)	0.63	2.68	20.28
1994	4.85	2.90	8.17	1.12	9.29	0.69	(s)	0.69	2.99	20.71
1995	4.85	3.03	8.58	1.22	9.80	0.70	(s)	0.70	3.20	21.58
1996	5.24	3.16	8.87	1.25	10.12	0.71	(s)	0.71	2.73	21.97
1997	4.98	R\$3.21	R\$8.83	1.20	R\$10.04	0.75	(s)	0.76	2.97	R\$21.96
1998	R\$4.52	R\$3.00	R\$8.69	R\$1.16	R\$9.84	R\$0.64	0.01	R\$0.64	3.26	R\$21.26
1999 ^P	4.67	3.09	8.67	1.23	9.90	0.64	NA	0.64	3.13	21.43

¹ Most deliveries to nonutility power producers are included in the industrial sector. In instances where the nonutility is primarily a commercial establishment, deliveries are included in the commercial sector.

² Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

³ Natural gas consumed in the operation of pipelines, primarily in compressors.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.005 trillion cubic feet.

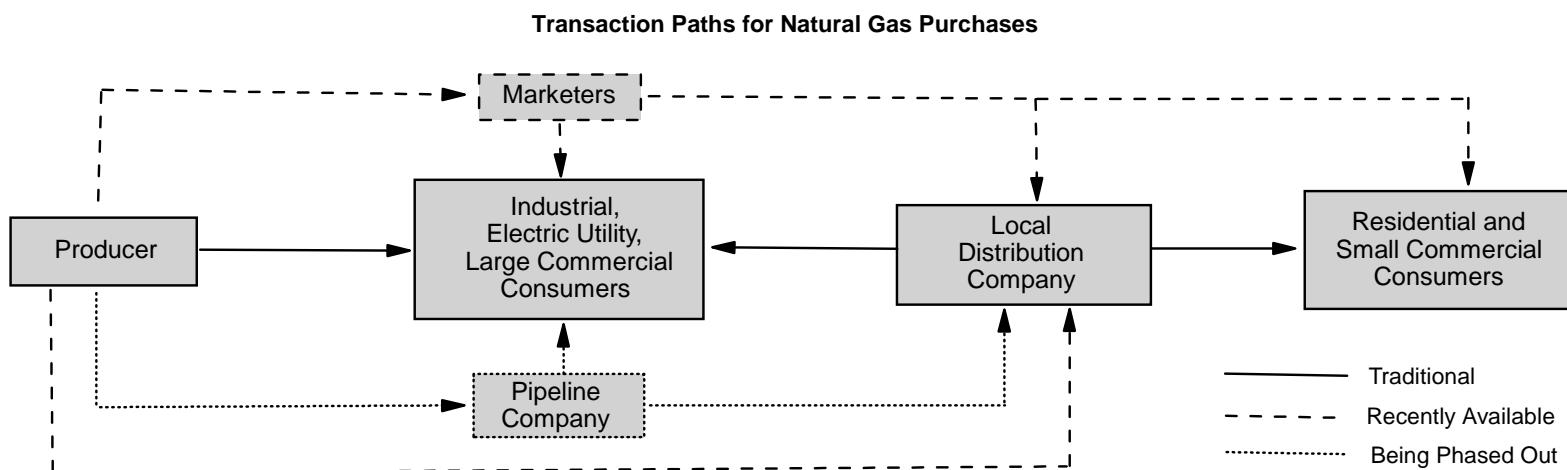
Notes: • For the definition of natural gas consumption, see Note at end of section. • Beginning with

1965, all volumes are shown on a pressure base of 14.73 p.s.i.a. at 60° F. For prior years, the pressure base was 14.65 p.s.i.a. at 60° F. • Totals may not equal sum of components due to independent rounding.

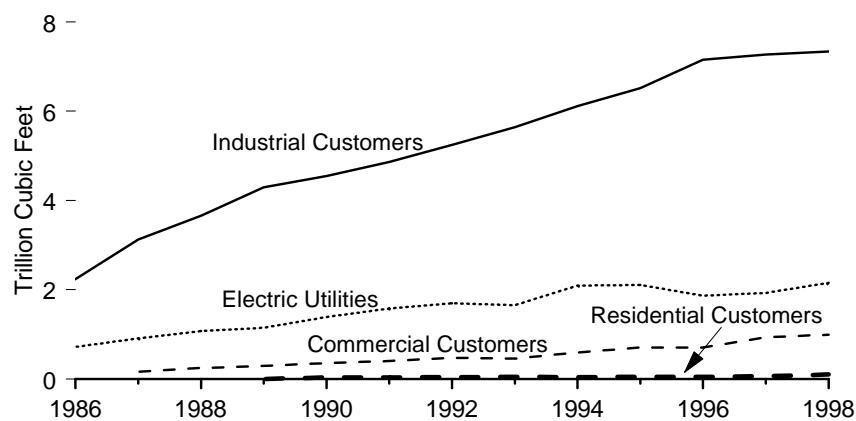
Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

Sources: **Electric Utilities:** Table 8.8. **All Other Data:** • 1949-1993—Energy Information Administration (EIA), *Natural Gas Annual 1998* (October 1999), Table 100. • 1994 forward—EIA, *Natural Gas Monthly* (February 2000), Table 3.

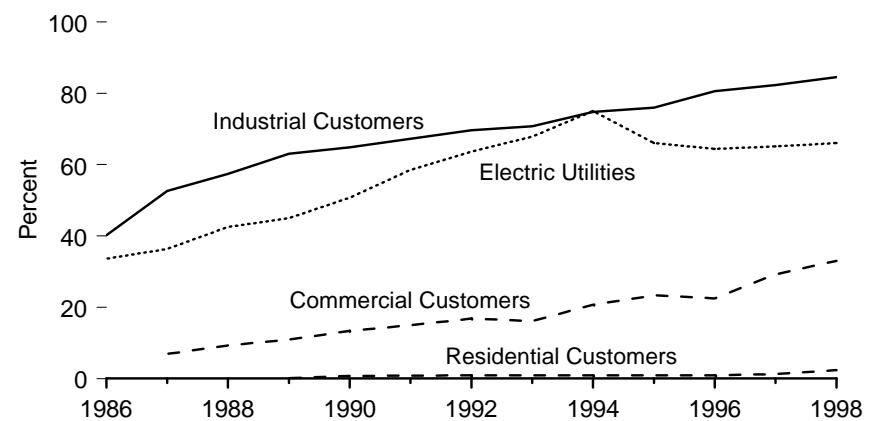
Figure 6.6 Natural Gas Delivered for the Account of Others



Natural Gas Delivered for the Account of Others, 1986-1998



Account of Others Share of Total Deliveries to Sector, 1986-1998



Source: Table 6.6.

Table 6.6 Natural Gas Delivered for the Account of Others, 1986-1998

	Residential Customers			Commercial Customers			Industrial Customers			Electric Utilities ¹		
	Delivered for the Account of Others	Total Deliveries	Account of Others Share of Total	Delivered for the Account of Others	Total Deliveries	Account of Others Share of Total	Delivered for the Account of Others	Total Deliveries	Account of Others Share of Total	Delivered for the Account of Others	Total Deliveries	Account of Others Share of Total ¹
Year	Billion Cubic Feet	Percent	Billion Cubic Feet	Percent	Billion Cubic Feet	Percent	Billion Cubic Feet	Percent	Billion Cubic Feet	Percent	Percent	Percent
1986	NA	4,314	NA	NA	2,318	NA	2,240	5,579	40.2	721	2,602	33.6
1987	NA	4,315	NA	167	2,430	6.9	3,129	5,953	52.6	914	2,844	36.3
1988	NA	4,630	NA	247	2,670	9.3	3,663	6,383	57.4	1,076	2,636	42.5
1989	3	4,781	0.1	296	2,718	10.9	4,298	6,816	63.1	1,152	2,787	45.0
1990	31	4,391	0.7	353	2,623	13.4	4,545	7,018	64.8	1,390	2,787	50.7
1991	36	4,556	0.8	406	2,729	14.9	4,864	7,231	67.3	1,580	2,789	58.5
1992	41	4,690	0.9	471	2,803	16.8	5,249	7,527	69.7	1,697	2,766	63.7
1993	44	4,956	0.9	460	2,862	16.1	5,645	7,981	70.7	1,658	2,682	67.8
1994	42	4,848	0.9	599	2,895	20.7	6,113	8,167	74.8	2,092	2,987	75.0
1995	45	4,850	0.9	706	3,031	23.3	6,517	8,580	76.0	2,110	3,197	66.0
1996	49	5,241	0.9	707	3,158	22.4	7,152	8,870	80.6	1,871	2,732	64.4
1997	61	4,984	1.2	939	R3,215	29.2	R7,273	R8,832	82.3	1,932	2,968	65.1
1998	105	4,520	2.3	990	2,999	33.0	7,339	8,686	84.5	2,153	3,258	66.1

¹ For electric utilities, total deliveries data are from Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report"; deliveries for the account of others and their share of total deliveries are from EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Because of the different reporting universes for the two data collection forms, the account-of-others share of total deliveries for electric utilities cannot be derived from the data shown on this table.

NA=Not available.

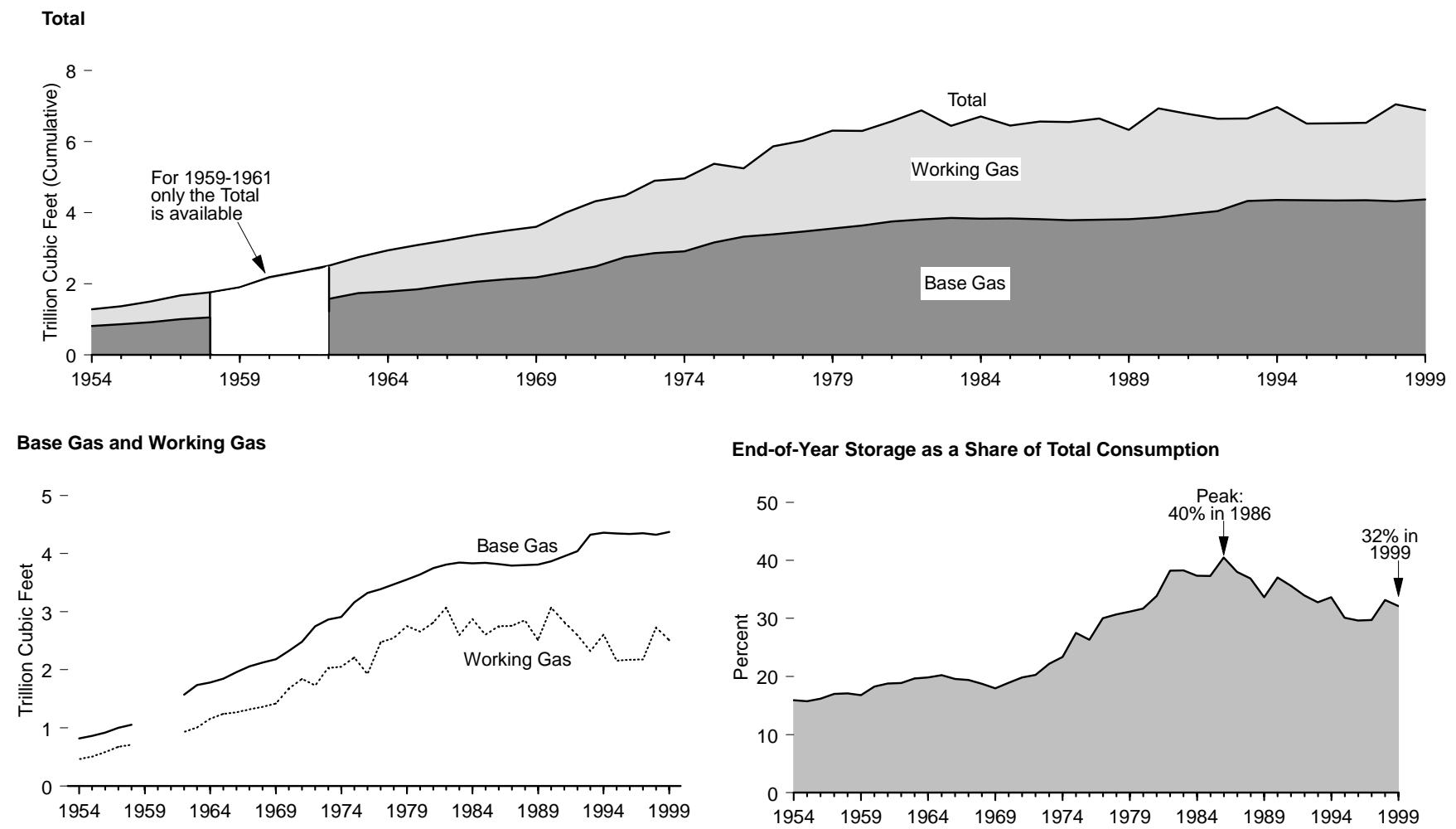
Notes: • Percentages are based on data prior to rounding. • Deliveries for the account of others are

deliveries to customers by transporters that do not own the natural gas but provide transportation services. These quantities may include gas covered by long-term contracts and quantities involved in short-term or spot market sales.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

Sources: **Electric Utilities Total Deliveries:** EIA, Form EIA-759, "Monthly Power Plant Report." **All Other Data:** • 1986-1993—EIA, *Natural Gas Annual*, annual reports. • 1994 forward—EIA, *Natural Gas Annual 1998* (October 1999), Table 1.

Figure 6.7 Natural Gas in Underground Storage, 1954-1999



Notes: • Storage is at end of year. • Because vertical scales differ, graphs should not be compared.

Sources: Tables 6.5 and 6.7.

Table 6.7 Natural Gas in Underground Storage, 1954-1999
(Billion Cubic Feet)

Year	Base Gas ¹			Working Gas			Total		
	Traditional Storage	Salt Caverns	Total	Traditional Storage	Salt Caverns	Total	Traditional Storage	Salt Caverns	Total
1954	NA	NA	817	NA	NA	465	NA	NA	1,281
1955	NA	NA	863	NA	NA	505	NA	NA	1,368
1956	NA	NA	919	NA	NA	583	NA	NA	1,502
1957	NA	NA	1,001	NA	NA	673	NA	NA	1,674
1958	NA	NA	1,056	NA	NA	708	NA	NA	1,764
1959	NA	NA	NA	NA	NA	NA	NA	NA	1,901
1960	NA	NA	NA	NA	NA	NA	NA	NA	2,184
1961	NA	NA	NA	NA	NA	NA	NA	NA	2,344
1962	NA	NA	1,571	NA	NA	933	NA	NA	2,504
1963	NA	NA	1,738	NA	NA	1,007	NA	NA	2,745
1964	NA	NA	1,781	NA	NA	1,159	NA	NA	2,940
1965	NA	NA	1,848	NA	NA	1,242	NA	NA	3,090
1966	NA	NA	1,958	NA	NA	1,267	NA	NA	3,225
1967	NA	NA	2,058	NA	NA	1,318	NA	NA	3,376
1968	NA	NA	2,128	NA	NA	1,366	NA	NA	3,495
1969	NA	NA	2,181	NA	NA	1,421	NA	NA	3,602
1970	NA	NA	2,326	NA	NA	1,678	NA	NA	4,004
1971	NA	NA	2,485	NA	NA	1,840	NA	NA	4,325
1972	NA	NA	2,751	NA	NA	1,729	NA	NA	4,480
1973	NA	NA	2,864	NA	NA	2,034	NA	NA	4,898
1974	NA	NA	2,912	NA	NA	2,050	NA	NA	4,962
1975	NA	NA	3,162	NA	NA	2,212	NA	NA	5,374
1976	NA	NA	3,323	NA	NA	1,926	NA	NA	5,250
1977	NA	NA	3,391	NA	NA	2,475	NA	NA	5,866
1978	NA	NA	3,473	NA	NA	2,547	NA	NA	6,020
1979	NA	NA	3,553	NA	NA	2,753	NA	NA	6,306
1980	NA	NA	3,642	NA	NA	2,655	NA	NA	6,297
1981	NA	NA	3,752	NA	NA	2,817	NA	NA	6,569
1982	NA	NA	3,808	NA	NA	3,071	NA	NA	6,879
1983	NA	NA	3,847	NA	NA	2,595	NA	NA	6,442
1984	NA	NA	3,830	NA	NA	2,876	NA	NA	6,706
1985	NA	NA	3,842	NA	NA	2,607	NA	NA	6,448
1986	NA	NA	3,819	NA	NA	2,749	NA	NA	6,567
1987	NA	NA	3,792	NA	NA	2,756	NA	NA	6,548
1988	NA	NA	3,800	NA	NA	2,850	NA	NA	6,650
1989	NA	NA	3,812	NA	NA	2,513	NA	NA	6,325
1990	NA	NA	3,868	NA	NA	3,068	NA	NA	6,936
1991	NA	NA	3,954	NA	NA	2,824	NA	NA	6,778
1992	NA	NA	4,044	NA	NA	2,597	NA	NA	6,641
1993	NA	NA	4,327	NA	NA	2,322	NA	NA	6,649
1994	4,317	44	4,360	2,536	70	2,606	6,853	113	6,966
1995	4,290	60	4,349	2,082	72	2,153	6,371	131	6,503
1996	4,277	64	4,341	2,087	85	2,173	6,364	149	6,513
1997	4,283	67	4,350	2,092	83	2,175	6,375	150	6,525
1998 ^E	4,259	67	4,326	R2,626	104	R2,730	R6,884	171	R7,056
1999 ^E	4,306	67	4,373	2,409	100	2,509	6,715	167	6,881

¹ Includes native gas.

R=Revised. E=Estimated. NA=Not available.

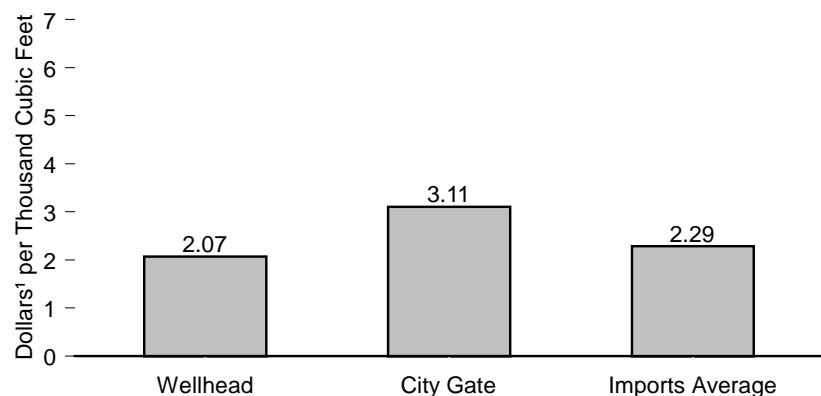
Notes: • Storage is at end of year. • Beginning with 1965, all volumes are shown on a pressure base of 14.73 p.s.i.a. at 60 degrees F. For prior years, the pressure base was 14.65 p.s.i.a. at 60 degrees F.
• Totals may not equal sum of components due to independent rounding.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

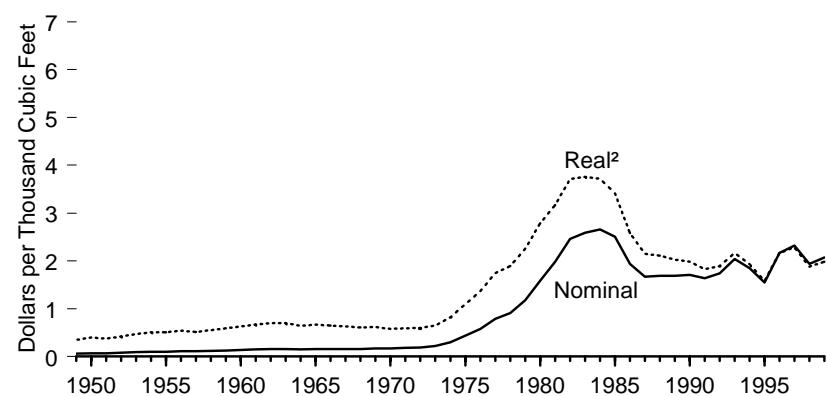
Sources: • 1954-1974—American Gas Association, *Gas Facts*. • 1975-1978—Federal Energy Administration, Form FEA-G318-M-O, "Underground Gas Storage Report," and Federal Power Commission, Form FPC-8, "Underground Gas Storage Report." • 1979-1984—EIA, Form EIA-191, "Underground Gas Storage Report" and Federal Energy Regulatory Commission, Form FERC-8, "Underground Gas Storage Report." • 1985-1993—EIA, *Natural Gas Monthly*, monthly reports. • 1994 forward—EIA, *Natural Gas Monthly*, (February 2000), Tables 9, 11, and 12.

Figure 6.8 Natural Gas Wellhead, City Gate, and Imports Prices

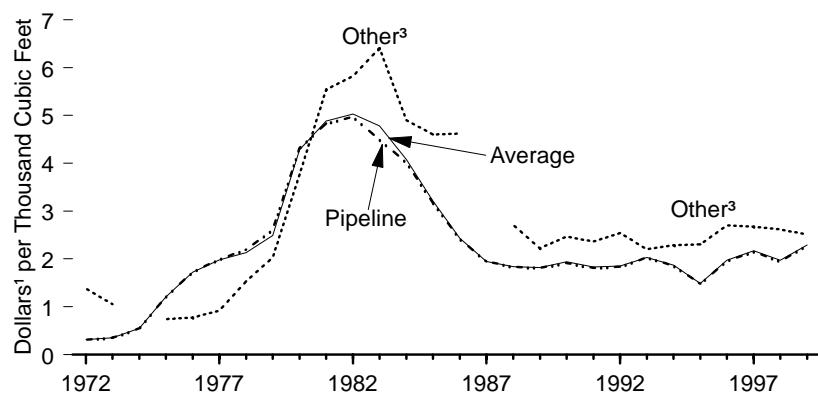
Wellhead, City Gate, and Imports Average, 1999



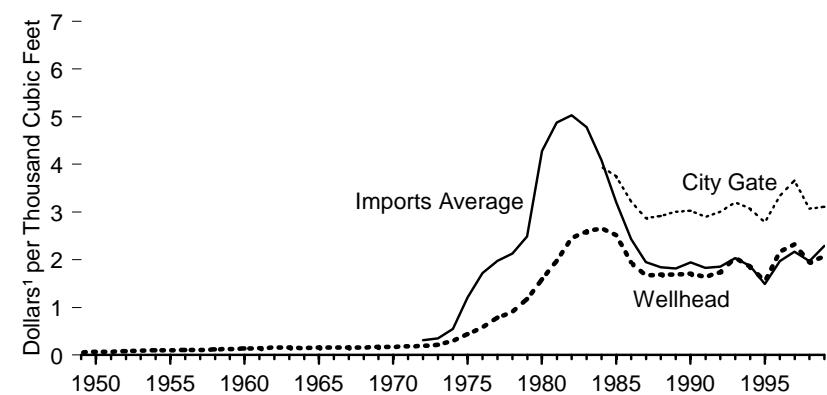
Wellhead, 1949-1999



Imports, 1972-1999



Wellhead, City Gate, and Imports Average, 1949-1999



¹ Nominal dollars.

² In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

³ There was no price in 1974 or 1987 because all imports were by pipeline in those years.

Source: Table 6.8.

Table 6.8 Natural Gas Wellhead, City Gate, and Imports Prices, 1949-1999
(Dollars per Thousand Cubic Feet)

Year	Wellhead ¹		City Gate		Imports		
	Nominal	Real ²	Nominal	Real ²	Pipeline (nominal)	Other ³ (nominal)	Average (nominal)
1949	0.06	R0.35	NA	NA	NA	NA	NA
1950	0.07	R0.40	NA	NA	NA	NA	NA
1951	0.07	R0.37	NA	NA	NA	NA	NA
1952	0.08	R0.42	NA	NA	NA	NA	NA
1953	0.09	R0.47	NA	NA	NA	NA	NA
1954	0.10	R0.51	NA	NA	NA	NA	NA
1955	0.10	R0.51	NA	NA	NA	NA	NA
1956	0.11	R0.54	NA	NA	NA	NA	NA
1957	0.11	R0.52	NA	NA	NA	NA	NA
1958	0.12	R0.55	NA	NA	NA	NA	NA
1959	0.13	R0.59	NA	NA	NA	NA	NA
1960	0.14	R0.63	NA	NA	NA	NA	NA
1961	0.15	R0.67	NA	NA	NA	NA	NA
1962	0.16	R0.70	NA	NA	NA	NA	NA
1963	0.16	R0.70	NA	NA	NA	NA	NA
1964	0.15	R0.64	NA	NA	NA	NA	NA
1965	0.16	R0.67	NA	NA	NA	NA	NA
1966	0.16	R0.65	NA	NA	NA	NA	NA
1967	0.16	R0.63	NA	NA	NA	NA	NA
1968	0.16	R0.61	NA	NA	NA	NA	NA
1969	0.17	R0.62	NA	NA	NA	NA	NA
1970	0.17	R0.58	NA	NA	NA	NA	NA
1971	0.18	R0.59	NA	NA	NA	NA	NA
1972	0.19	R0.60	NA	NA	0.31	1.38	0.31
1973	0.22	R0.65	NA	NA	0.35	1.05	0.35
1974	0.30	R0.82	NA	NA	0.55	(⁴)	0.55
1975	0.44	R1.10	NA	NA	1.21	0.74	1.21
1976	0.58	R1.37	NA	NA	1.73	0.77	1.72
1977	0.79	R1.75	NA	NA	1.99	0.92	1.98
1978	0.91	R1.89	NA	NA	2.19	1.53	2.13
1979	1.18	R2.26	NA	NA	2.61	2.03	2.49
1980	1.59	R2.79	NA	NA	4.32	3.77	4.28
1981	1.98	R3.17	NA	NA	4.83	5.54	4.88
1982	2.46	R3.71	NA	NA	4.97	5.82	5.03
1983	2.59	R3.76	NA	NA	4.49	6.41	4.78
1984	2.66	R3.72	3.95	R5.53	4.01	4.90	4.08
1985	2.51	R3.41	3.75	R5.09	3.17	4.60	3.21
1986	1.94	R2.58	3.22	R4.28	2.42	4.62	2.43
1987	1.67	R2.15	2.87	R3.70	1.95	(⁴)	1.95
1988	1.69	R2.11	2.92	R3.64	1.83	2.71	1.84
1989	1.69	R2.03	3.01	R3.61	1.81	2.22	1.82
1990	1.71	R1.98	3.03	R3.50	1.91	2.47	1.94
1991	1.64	R1.83	2.90	R3.23	1.81	2.36	1.83
1992	1.74	R1.89	3.01	R3.28	1.84	2.54	1.85
1993	2.04	R2.17	3.21	R3.41	2.03	2.20	2.03
1994	1.85	R1.93	3.07	R3.20	1.86	2.28	1.87
1995	1.55	R1.58	2.78	R2.83	R1.48	2.30	1.49
1996	2.17	R2.17	3.34	R3.34	1.96	2.70	1.97
1997	2.32	R2.28	R3.66	R3.59	2.15	2.67	2.17
1998	R1.94	R1.88	R3.07	R2.98	R1.95	R2.62	R1.97
1999	E2.07	E1.98	3.11	2.97	2.28	2.51	2.29

¹ See Glossary for definition of Natural Gas Wellhead Price.

² In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Appendix Table E.1.

³ Primarily liquefied natural gas from Algeria.

⁴ Not applicable. All imports were by pipeline.

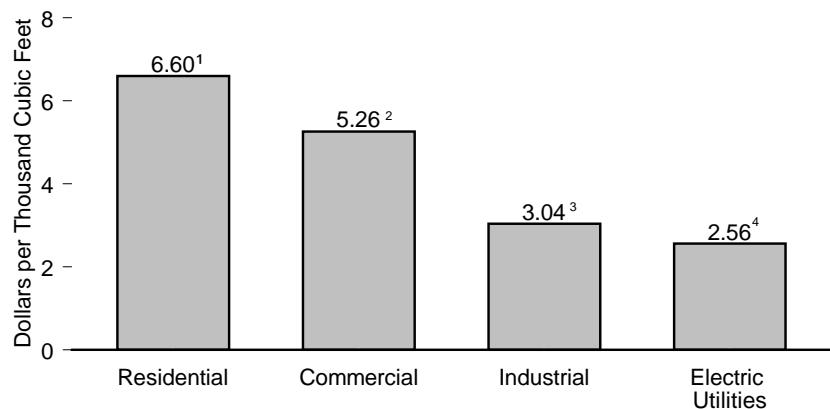
R=Revised. E=Estimated. NA=Not available.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

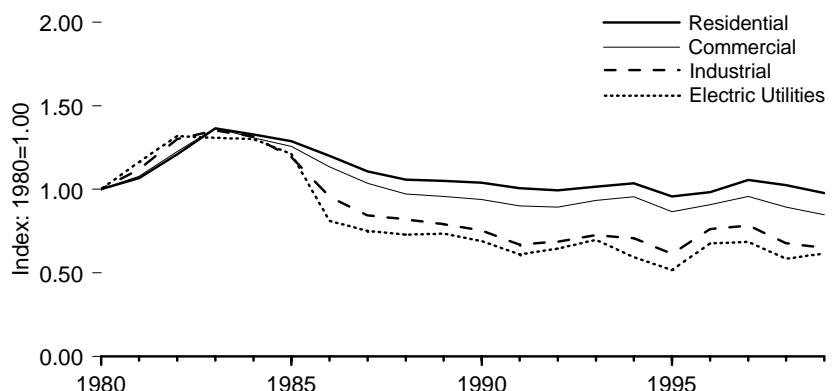
Sources: **Wellhead:** • 1949-1993—Energy Information Administration (EIA), *Natural Gas Annual 1998* (October 1999), Table 98. • 1994 forward—EIA, *Natural Gas Monthly* (March 2000), Table 4. **City Gate:** • 1984-1993—EIA, *Natural Gas Annual*, annual reports. • 1994 forward—EIA, *Natural Gas Monthly* (March 2000), Table 4. **Imports:** • 1972 and 1973—Federal Power Commission (FPC), *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1976—FPC, *United States Imports and Exports of Natural Gas*, annual reports. • 1977-1993—EIA, *Natural Gas Annual*, annual reports. • 1994 forward—EIA, *Natural Gas Monthly* (March 2000), Table 5.

Figure 6.9 Natural Gas Prices by Sector

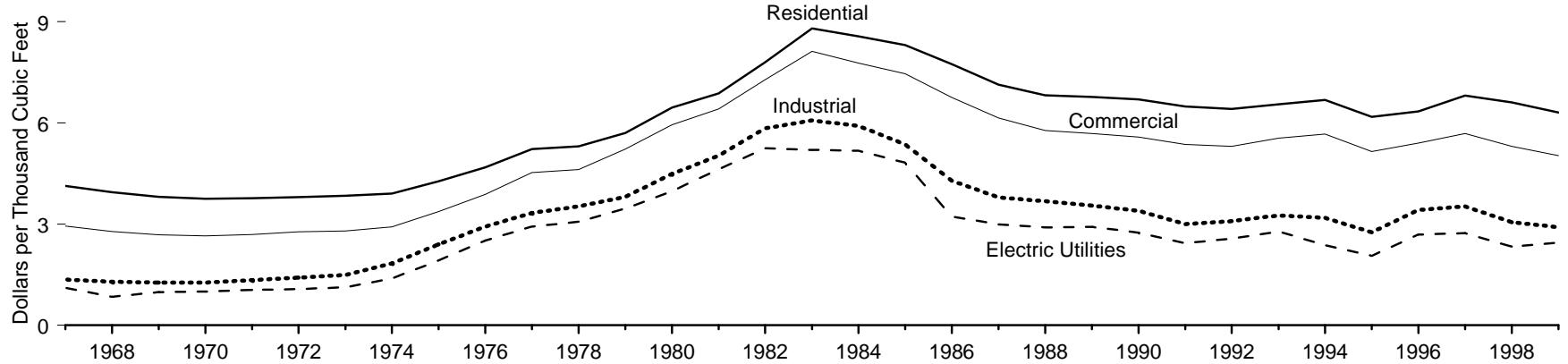
Nominal Prices, 1999



Real Prices,⁵ Indexed, 1980-1999



Real Prices,⁵ 1967-1999



¹ Based on 100 percent of volume delivered.

² Based on 65.1 percent of volume delivered.

³ Based on 16.9 percent of volume delivered.

⁴ Based on all steam-electric utility plants with a combined capacity of 50 megawatts or greater.

⁵ In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

Source: Table 6.9.

Table 6.9 Natural Gas Prices by Sector, 1967-1999

(Price: Dollars per Thousand Cubic Feet; Share of Total Volume Delivered: Percentage)

Year	Residential		Commercial ¹			Industrial ²			Vehicle Fuel ³			Electric Utilities	
	Prices ⁴		Prices		Share of Total Volume Delivered	Prices		Share of Total Volume Delivered	Prices		Share of Total Volume Delivered	Prices ⁵	
	Nominal	Real ⁶	Nominal	Real ⁶		Nominal	Real ⁶		Nominal	Real ⁶		Nominal	Real ⁶
1967	1.04	R4.13	0.74	R2.94	NA	0.34	R1.35	NA	NA	NA	NA	0.28	R1.11
1968	1.04	R3.95	0.73	R2.78	NA	0.34	R1.29	NA	NA	NA	NA	0.22	R0.84
1969	1.05	R3.81	0.74	R2.68	NA	0.35	R1.27	NA	NA	NA	NA	0.27	R0.98
1970	1.09	R3.75	0.77	R2.65	NA	0.37	R1.27	NA	NA	NA	NA	0.29	R1.00
1971	1.15	R3.77	0.82	R2.69	NA	0.41	R1.34	NA	NA	NA	NA	0.32	R1.05
1972	1.21	R3.80	0.88	R2.77	NA	0.45	R1.41	NA	NA	NA	NA	0.34	R1.07
1973	1.29	R3.84	0.94	R2.80	NA	0.50	R1.49	NA	NA	NA	NA	0.38	R1.13
1974	1.43	R3.90	1.07	R2.92	NA	0.67	R1.83	NA	NA	NA	NA	0.51	R1.39
1975	1.71	R4.27	1.35	R3.37	NA	0.96	R2.40	NA	NA	NA	NA	0.77	R1.92
1976	1.98	R4.68	1.64	R3.88	NA	1.24	R2.93	NA	NA	NA	NA	1.06	R2.51
1977	2.35	R5.22	2.04	R4.53	NA	1.50	R3.33	NA	NA	NA	NA	1.32	R2.93
1978	2.56	R5.31	2.23	R4.62	NA	1.70	R3.52	NA	NA	NA	NA	1.48	R3.07
1979	2.98	R5.70	2.73	R5.22	NA	1.99	R3.81	NA	NA	NA	NA	1.81	R3.46
1980	3.68	R6.45	3.39	R5.94	NA	2.56	R4.49	NA	NA	NA	NA	2.27	R3.98
1981	4.29	R6.88	4.00	R6.41	NA	3.14	R5.03	NA	NA	NA	NA	2.89	R4.63
1982	5.17	R7.80	4.82	R7.28	NA	3.87	R5.84	85.1	NA	NA	NA	3.48	R5.25
1983	6.06	R8.80	5.59	R8.12	NA	4.18	R6.07	80.7	NA	NA	NA	3.58	R5.20
1984	6.12	R8.57	5.55	R7.77	NA	4.22	R5.91	74.7	NA	NA	NA	3.70	R5.18
1985	6.12	R8.31	5.50	R7.46	NA	3.95	R5.36	68.8	NA	NA	NA	3.55	R4.82
1986	5.83	R7.74	5.08	R6.75	NA	3.23	R4.29	59.8	NA	NA	NA	2.43	R3.23
1987	5.54	R7.14	4.77	R6.15	93.1	2.94	R3.79	47.4	NA	NA	NA	2.32	R2.99
1988	5.47	R6.82	4.63	R5.77	90.7	2.95	R3.68	42.6	NA	NA	NA	2.33	R2.90
1989	5.64	R6.77	4.74	R5.69	89.1	2.96	R3.55	36.9	NA	NA	NA	2.43	R2.92
1990	5.80	R6.70	4.83	R5.58	86.6	2.93	R3.39	35.2	3.39	R3.92	NA	2.38	R2.75
1991	5.82	R6.49	4.81	R5.36	85.1	2.69	R3.00	32.7	3.96	R4.42	NA	2.18	R2.43
1992	5.89	R6.41	4.88	R5.31	83.2	2.84	R3.09	30.3	4.05	R4.41	NA	2.36	R2.57
1993	6.16	R6.55	5.22	R5.55	83.9	3.07	R3.26	29.7	4.27	R4.54	87.8	2.61	R2.78
1994	6.41	R6.68	5.44	R5.67	79.3	3.05	R3.18	25.5	4.11	R4.28	86.9	2.28	R2.37
1995	6.06	R6.18	5.05	R5.15	76.7	2.71	R2.76	24.5	3.98	R4.06	86.6	2.02	R2.06
1996	6.34	R6.34	5.40	R5.40	77.6	3.42	R3.42	19.4	4.34	R4.34	94.0	2.69	R2.69
1997	6.94	R6.81	R5.80	R5.69	70.8	3.59	R3.52	R18.1	4.44	R4.36	89.7	R2.78	R2.73
1998	6.82	R6.61	R5.48	R5.31	R67.0	R3.14	R3.05	R16.1	R4.59	R4.45	R85.4	R2.40	R2.33
1999 ^P	6.60	6.31	5.26	5.03	65.1	3.04	2.91	16.9	NA	NA	NA	2.56	2.45

¹ Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

² Most volumes and associated revenues for deliveries to nonutility power producers are included in the industrial sector. In instances where the nonutility is primarily a commercial establishment, volumes and associated revenues are included in the calculation of commercial prices.

³ Much of the natural gas delivered for vehicle fuel represents deliveries to fueling stations that are used primarily or exclusively by respondents' fleet vehicles. Thus, the prices are often those associated with the operation of fleet vehicles.

⁴ Based on 100 percent of volume delivered.

⁵ Based on all steam-electric utility plants with a combined capacity of 50 megawatts or greater.

⁶ In chained (1996) dollars, calculated by using gross domestic product implicit price deflators. See Table E1.

R=Revised. P=Preliminary. NA=Not available.

Notes: • Natural gas includes supplemental gaseous fuels. • Residential, commercial, and industrial price data represent prices of natural gas sold and delivered by local distribution companies to residential, commercial, and industrial consumers, respectively. The data do not reflect prices of natural gas transported for the account of others. • The average for each end-use sector is calculated by dividing the total value of the gas consumed by each sector by the total quantity consumed. See Note at end of section.

Web Page: http://www.eia.doe.gov/oil_gas/natural_gas/nat_frame.html.

Sources: **Vehicle Fuel:** 1990-1998—Energy Information Administration (EIA), *Natural Gas Annual 1998* (October 1999), Table 25. **All Other Data:** • 1967-1992—EIA, *Natural Gas Annual 1998* (October 1999), Table 101. • 1993 forward—EIA, *Natural Gas Monthly* (March 2000), Table 4.

Natural Gas Note

Natural gas consumption statistics are compiled from surveys of natural gas production, transmission, and distribution companies and electric utility companies. Consumption by sector from these surveys is compiled on a national and individual State basis and then balanced with national and individual State supply data. Included in the data are the following: Commercial Sector—consumption by nonmanufacturing establishments, by municipalities for institutional heating and lighting, and those engaged in

agriculture, forestry, and fishing (through 1995); Electric Utility Sector—consumption by electric utilities for the generation of electric power; Industrial Sector—consumption by establishments engaged primarily in processing unfinished materials into another form of product (includes mining, petroleum refining, manufacturing, and agriculture, forestry, and fishing (beginning in 1996), and natural gas industry use for lease and plant fuel); Residential Sector—consumption by private households for space heating, cooking, and other household uses; Transportation Sector—natural gas transmission (pipeline) fuel.